

## ABSTRACT

A noiseless circuit structure of a gas concentration measuring apparatus is provided. The gas concentration  
5 measuring apparatus includes a control circuit and a gas sensor including a solid electrolyte body, a cell, and a heater serving to heat the solid electrolyte body up to an activation temperature. The control circuit is designed to cancel or remove electric noises arising from an on-off operation of the heater added to a sensor  
10 output.